

S-424/64

Technique of Experimentally Producing Glass Glaze
Capacitors by the Rolled Thin Film Method, by
Chou Ta-fu, 10 pp. *Not official use. Only.*
CHINESE, per, Tien-tzu Chix-shu, No 2, 1963,
pp 30-32.

*JPRS/SPECIAL/SF-3122

Sci - Electr

Apr 64

S/424/64

A Suggestion for the Method of Using Unit Symbols
in Electrical Engineering and Radio Literature,
by Chieh Min, *App. Not Official Use Only*,
CHINESE, per, Tien-tzu Chi-shu, No 2, 1963,
p 44.

*JPRS/SPECIAL/SF-3122

Sci - Electr
Apr 64

REQ TR CHECK

19-9-5

TGQ8

MICROWAVE AMPLIFICATION AND OSCILLATION OF
TUNNEL DIODES

WANG, SHIH-CHIEH

CH: TIEN TZU CHI SHU, No 2, 1964, pp 19-23

NEED ABSTRACT

Process in as

*HC72-23-1698 negative
130a.72*

Laser, by Chu Ang-ju, 17 pp.
CHINESE, per, Tien Tzu Chi Shu, No 3,
1964, pp 24-28. ~~PI00134266~~
FTD-TT-65-1453

Sci - Phys
Jan 67

317,628

Development of Semiconductor Devices, by
Hsi-teh Hsieh. 10 pp.
CHINESE, per, Tien Tzu Chi Shu, No 4, 1964,
pp 1-3. P100188967
FTD-TT-65-1066

Sci/Physics
Aug 67

311,408

Infrared Technology and Its Applications
to Rocketry, by Ch'eng Te, 7 pp.
CHINESE, per, Tien-tzu Chi-shu, Shanghai,
No 4, 1964, pp 31-33.
JPRS 53017

May 71

The Present Status and Future Development of Radio
Measurement Instruments, by Kuei Shao-sheng, 8 pp.

CHINESE, per, Tien-tzu Chi-shu, No 5, 8 May 1964,
pp 1-3.

NY-9718

28770

Jul 65

Discussions on the Regulation and Measurement of
Medium Frequency Amplifiers, by Li-Ou-ju, 16 pp.

CHINESE, per, Tien-tzu Chi-shu, No 5, 8 May 1964,
pp 13-18.

NY-9418

282.20

Sci

Jul 65

S-827/64

Selected Articles From Tien-tzu Chi-shu,
Electronic Technology, FOR OFFICIAL USE ONLY
CHINESE, per, Tien-tzu Chi-shu, No 5, 1964.
*JPRS/NY-9312/SPECIAL

Sci - Electron
Aug 64

Monograph for Cathode Output, 2 pp.

CHINESE, per, Tien-tzu Chi-shu, No 5, Shanghai,
8 May 1964, preface.

NY-9418

28220

M

Jul 65

General Discussion: On the Translation of Measurement
Symbols and Names of People, 3 pages, by Chang
Shih-jen.

CHINESE, per, Tien-tzu Chi-shu, No 5, 8 May 1964,
preface p 3.

NY-9418

28220

Jul 65

A-Type High Stability LC Oscillator Without Grid
Current, by Yang Chun-ming, 12 pp.

CHINESE, per, Tien-tzu Chi-shu, No 5, Shanghai,
8 May 1964, pp 4-7

NY-9418

28220

Sci
Jul 6 5

A Combined Transistor Resistance Capacitance
Amplifier Where the Output Voltage Exceeds the
Limiting Voltage, by Ch'u Min-ying, 15 pp.

CHINESE, per, Tien-tzu Chi-shu, No 5, 8 May 1964,
pp 8-11.

NY-9418

28220

Sci
Jul 65

Crystal Sound Pickup of Potassium Sodium Tartarate
(Second Part), 10 pp.

CHINESE, per, Tien-tzu Chi-shu, No 5, 8 May 1964,
pp 19-21.

NY-9-H18

28.22.0

Sci
Jul 65

Radio Weather Measurement, by Chang Kuan-ming, 12 pp.

CHINESE, per, Tien-tzu Chi-shu, No 5, 8 May 1964,
pp 27-30.

NY-9418

28220

Sci
Jul 65

Electronic Oscilloscopes (II), by Ch'en-ch'ao,
9 pp.

CHINESE, per, Tien-tzu Chi-shu, No 5, 8 May 1964,
pp 38-40.

NY-9418

28220

Sci
Jul 65

Television Discussion (I), by Chang Ch'ing-Yen,
9 pp.

CHINESE, per, Tien-tzu Chi-shu, No 5, 8 May 1964,
pp 41-43.

NY-9418

28220

Sci
Jul 65

Introduction of New Products, SB-14 Type
Oscilloscope, by Keng Ming-huan, 4 pages.

CHINESE, Tien-tzu Chi-shu, No 5, 8 May 1964,
p 44.

NY-9418

28226

Sci
Jul 65

Questions, and Answers, 6 pages

Chinese, per, Tien-tzu Chi-shu, No 5, 8 May 64,
pp 46 - 47 .

NY=9418

28220

Sci
Jul 65

Methods of Increasing Resolution in
a Pulse Radar, by Wen-pin Ts'ao, 13 pp
CHINESE, rpt, Tien Tzu Chi Shu, No 6,
1964, pp 32-35
AIR/PTD-HT-23-180-69

Sci/Navi, Commun, Detection, & Counter-
measures
Apr 70 405,938

Selected Articles From Electronic Technology.
CHINESE, per, Tien-Tzu Chi-shu, /8 Jul 1964.
/No 7,

9
*JPRS/NY-9418/Special
28.10

Sci - Elec

Oct 64

The Development of Variable Parameter Amplifiers,
7 pp, by Meng-k'an.

CHINESE, per, Tien-tzu Chi-shu, No 7, Shanghai,
Jul 64, pp 1-3.

NY-9418

28220

UJUL 65

II. Nomograph of Diode Current, by Liu Wei-min,
4 pp.
CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 64,
p 3.

NY-9418

28220

JUL 65

The Applied Technology of Silver Soldering, by
Pao I-sheng, 3 pp.
CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 64,
pp 4-6

NY-9418

28220

Jul 6 5

The Application and Principle of the Micro-ferrous
Oxide Cycle Instrument, by Yuan Ko-hau. 15 pp.
CHINESE, per, Tien Tzu Chi Shu, No 7, 1964,
pp 10-14.
ACSI J-2623
ID 2204023467

Sci/Methods & Equipment
Sep 67

339,569

Transistor Inductive Oscillator and Its Application
in Frequency Control Measurements, by Li Ching-i,

7 pp.

CHINESE, per, Tien-tzu Chi-shu, No 7, 1964,
pp 14-16.

NY-9418

28270

Jul 6 5

Series Amplifiers, by Ching K'ang, 7 pp.
CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964,
pp 17-18, 9

NY-9418

28220

Jul 65

Grid Current in Static Electricity Tubes, by Wang
Ch'uan-chin, 10 pp.
CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964,
pp 19-22.

NY-9418

25220

Jul 65

Testing of Transistor Megaohmmeters, by Lin Liang-ch'ing, 3 pages.

CHINESE, per, ^{Tien}~~Tien~~-tzu Chi-shu, No 7, Jul 1964,
p 23.

NY-9418

28220

Jul 65

Magnetic Properties and Applicatinns of Iron Aluminum
Alloy 16A1, by Lo Shao-ming, 11 pp.
CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964,
pp 24-27.

NY-9418

28720

Jul 65

Electronic Techniques and Its Applications in
Measurements of Internal Combustion Engines, 13 pp
by Wang Ching-hu, Ch'in K'o-ch'ing.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964, pp
28-31.

NY-9418

28220

Jul 65

Rules for Simplification of Signal Flow Diagrams,
by Ch'iu Hsiao-sung, 5 pp.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964,
pp 32-33.

NY-9418

Jul 65

28220

Circuit Design for Transistors, (III), by
Ling Hsieh-t'ing, 5 pp.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964,
pp 34-35.

NY-9418

28220

Jul 65

A 639 Type of Semiconductor Receiver With Two Tubes, by Lu Tsung-te, K'io Miao-hsiung, 2 pages.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964
p 40.

NY-9418

21220

Jul 65

Electronic Oscilloscopes (IV), by Ch'en-chao,
10 pp.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964,
pp 36-40.

NY-9418

28220

Jul 65

Television Discussion III., by Chang Ch'ing-yen,
10 pp.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964,
pp 41-44.

NY-9418

28220

Jul 65

Questions and Answers, 4 pages.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964,
pp 45-46.

NY-9418

28220

Jul 65

Answers From the Previous Issue, & 5 pages.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 64
pp 46-47.

NY-9418

28220

Jul 65

Translation of Personal Names and Scientific and
Technical Terms, by Hsi-yin, 2 pages.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 64,
preface III.

NY-9418

28220

Jul 65

On the Problem of Translation of Personal Names,
1 pages.

CHINESE, per, Tien-tzu Chi-shu, No 7, Jul 1964,
preface III.

NY-9418

28220

Jul 6 5

Preliminary Analysis of Radio Component Reliability, by Li I-an, 11 pp.
CHINESE, per, Tien-tzu Chi-shu, No. 8, 8 Aug
1964, pp. 1-3.
JPRS 41564

FE-China
Sci-Elec & Elec Engr
Aug 67

333,207

The Construction of Aluminum Electrolytic
Capacitors, by Hsu Lin-hsiang, K'ang Wen-an
and Chiang Ts-chun, 13 pp.
CHINESE, per, Tien-tsu Chi-shi, No. 3, 3 Aug
1964, pp. 4-7.
JPRS 41564

FE-Chien
Sci-Eng & Elec Engr
Aug 67

333,203

Principle of Spark Processing, by Lu Tzu-ting
(7120 4371 7344), 9 pp
CHINESE, per, Tien-tzu Chi-shu, No 3, 8 Aug 64,
pp 17-19
JPRS 29316

FE-China
Sci-Electronics
Apr 65

279,295

Measurement of Resistance of Electrodes of
Crystal Tube, by Shih Shu-huai, 5 pp
CHINESE, per, Tien-tzu Chi-shu, No 3, Aug
1964, pp 29-30.
JPRS 29233

FE-China
Sci-Phys.
Mar 65

276,523

Crystal Tube Mixer Circuit (IV)
by Ling Hsieh-t'ing, 6 pp
CHINESE, per, Tien-tzu Chi-shu, No 3, Aug
1964, pp 33-34 and 32.
JPRS 29233

PE-China
Sci-Electronics
Mar 65

276,529

SI- 1075

10 May 67

- a.) Preliminary Analysis of Radio Component Reliability
up to 100,000 hours
- b.) The Construction of Aluminum Electrolytic Capacitors
by the Han-Hsiang, Hsiao Hsiao and Hsiao Hsiao-chang
pp 1-7
- Transmit Hsiao-chang, Hsiao Hsiao, Hsiao Hsiao, Hsiao Hsiao
Hsiao Hsiao
Hsiao Hsiao, Hsiao Hsiao, Hsiao Hsiao, Hsiao Hsiao
Hsiao Hsiao, Hsiao Hsiao, Hsiao Hsiao, Hsiao Hsiao
Hsiao Hsiao, Hsiao Hsiao, Hsiao Hsiao, Hsiao Hsiao

pp 1-7 to include,

/67

Transistor Circuit Design (5), by Ling Haieh-
ting, 8 pp.
CHINESE, per, Tien-tzu Chi-shu, No 9, September
1964, pp 32-34.
JPRS 29200

Sci-Electronics
Mar 65

276,840

Intra-Red Ray Dryer, by Yang Hsiang-che (2799
0686 0772), 5 pp
CHINESE, per, Tien-tzu Chi-shu, No 10, 3 Oct 64,
pp 14-15
JPRS 29713

Asia-China
Sci-Electronics
Apr 65

279,111

Introduction Circuit Design (Part VI), by Ling
Hsien-T'ing, 9 pp
CHINCHIN, per, Tien-tzu Chi-shu, No 10, 8 Oct 64,
pp 32-43.
JPRS 87516

Asia-China
Sci-Electronics
Apr 65

277,693

Translation (Part VI), by Chang Ch'ing-yea, 6 pp
CHUNGKING per, Tien-tan Chi-shan, No 18, 8 Oct 64,
pp 34-36 and 40.
JPRS 29316

Asia-China
Rel-Electronics
Apr 65

277,700

Tropospheric Scatter Communications (1),
Wu Ts-yan, 9 pp.
CHINESE, per, Tien-tzu Chi-shu, No 11,
Nov 1964, pp 19-20, 23
JPRS 32989

FE - China
Sci - Electronics
Dec 65

27/
293,004

Transistor Circuit Design (Part VII), by LONG
Kien-kuang, 7 pp
CHINESE, per, Kien-tai Chi-ku, No 11, 3 Nov 64,
pp 31-33
JPRS 255516

Radio-Phila
Rad-Electronics
Apr 65

277,699

Information (Part VII), by Cheng Ch'ing-yen, 11 pp
CHINESE, per, Tien-tai Chi-shu, No 11, 8 Nov 64,
pp 34-37.
JPRS 20526

Anti-China
Rad. Electronics
Apr 65

271,701

32969

11- 3795
21 4 65

Through Radio Scatter Communications by H. H. Hsueh
(0702/1105/158), pp 19,20,21, & 15-16,

#11, #12

THU-THU (Ch. 20) (Electronic Technology), Shanghai,
May 65 to Dec 65,

Chinese

THU/THU-100- which includes 600 series comp.
entire copy of public o. report.
THU o. to utilize,

Tropospheric Scatter Communications (II),
by Wu Te-yon, 9 pp.
CHINESE, per, Tien-tzu Chi-shu, No 12,
Dec 1964, pp 14-16
JPRS 32989

FE - China
Sci - Electronics
Dec 65

272
293,055

Tunnel Emissive Thin-Film Triodes, by Ch'ou
Ch'i-hsing (7115 0366 5046), 11 pp.
CHINESE, per, Tien-tzu Chi-shu, No 12,
Dec 1964, pp. 545-547.
JPRS 31970

PR-China
Icon
Sept 65

289,469

Fundamental Requirements of Transistor Tube
Receiver Characteristics, by Tso Yen (0146
1693), 8 pp.
CHINESE, per, Tien-tzu Chi-shu, No 12, Dec
1964, pp. 553-555
JPRS 31970

FIE-China
Sci-Electronics
Sept 65

239,470

Techniques and Application of the Oxidation
of Semiconductor Anodes, by Yuan Kang (7036
0474) and Li Hsiao-ling (2621 2556 7831),
7 pp.

CHINESE, per, Tien-tzu Chi-shu, No 12, Dec
1964, pp. 556-557, 570.
JPRS 31970

PE-China
Sci-Electronics
Sept 65

239,471

Statistical Decision Method in the Detection and
the Estimation of Parameters of Radar Signals,
by Chu Teh-Hang.

CHINESE, per, Acta Electronica Sinica, No 1,
September 1963, pages 3-18.

ACSI J-3770

ID 2204055467

Sci/Electronics
January 1968

341,913

Statistical Decision Method of Detecting and
Estimating Parameters of Radar Signals, by
Chi Teh-hang, 28 pp.
CHINESE, per, Tien Tzu Hsueh Pao, No 1, 1963,
pp 3-18. P100121468-V
FTD-HT-67-243

Sci/Navi, Comm, Det, & CM
Jul 68

360.103

Synthesis of a Nondegenerate Parametric
Amplifier with Optimized Noise Performance,
by Shen Guang-ming, 14 pp.
CHINESE, per, Tien Tzu Hsueh Pao, Vol 2, No 1,
1963, pp 23-32.
P100133168-V
FTD-BT-67-237

Sci-Navigation, Communications,
Detection & Countermeasures
July 68

360,725

Mean Effective Range of Airborne Search Radar,
by Sun Chung-k'ang, 12 pp.
CHINESE, per, Acta Electronica Sinica, No 1,
Sept 1963, pp 35-42.
ACSI J-3766
ID 2204055067

Sci-Navig, Communications,
Detection & Countermeasures
Feb 68

347,472

Coherent Integrating Filter for Pulse Radar Applications
by Chang Chih-Chung (1723 4160 0022), 15 pp.
CHINESE, per, Tien-tsu Hsueh-pao, No 2, Dec 63,
pp. 3-11.
JPRS 29951

FE-China
Sci-Electronics
May 65

279,735

A Simplified Method of Design for a Class of
High-Power Microwave Filters, by Lin Kang,
16 pp.
CHINESE, per, Tien Tzu Hsueh Pao, No 2, 1963,
pp 75-84. P100118868-V
FTD-HT-67-238

Sci-Navigation
July 68

350,851

A Control Device for Meteor-Trail Communica-
tion System and Relaxation Analysis, by Liu
Tseng-chi (0491 1073 1015), 20 pp.
CHINESE, per, Tien-tzu Hsueh-pao, No 2,
Dec 1963, pp. 109-119.
JPRS 34756

FE-China
Sci-Engr
Apr 66

298,226

A Microwave Noise Source of Gas Discharge
for Circular Waveguides, by
Chuin-Sheng Lin, Shih-Wei Shu, 16 pp.
CHINESE, per, Tien Tzu Hsueh Pao (Acta
Electronica Sinica), No 1, 1964, pp 23-30.
U699046
FTD-TT-65-359

Sci - Elec
Feb 66

294,777

Analysis and Synthesis of Radar-Tracking
Systems through the Use of Z-Transformation,
by Yen Kung-t'ao (3601 0361 7290), 21 pp.
CHINESE, per, Tien-tzu Hsueh-pao, No 2, Jun
1964, pp. 3-15.
JPRS 31811

PR-China
Sci-Electronics
Sept 65

286,037

Engineering Design of Helix-Type Traveling
Wave Power Amplifiers, by Ch'en Ch'ing-yu
(7115 1987 2589), 42 pp.

CHINESE, per, Tien-tzu Hsueh-pao, No 2,
Jun 1964, pp. 67-90.
JPRS 31811

PR-China
Sci-Engg.
Sept 65

286,036

Limiting Information Content of Television Signal,
by Chiung-pan Chou. 24 pp.
CHINESE, per, Tien Tzu Hsueh Pao, No 4, 1964,
pp 24-39. P100189367
FTD-HT-60-592

Sci/Navigation Communication
Detection & Countermeasures
Aug 67

331,407

The Effects of Potassium and Sodium Contents
in the Ceramic Substrate on the Load Lives of
Film Resistors, by Yu-ken Wu and Yu-ch'un Kao,
14 pp.

CHINESE, per, Tien Tzu Hsueh Pao, No 4, 1964,
pp 98-104.
P100134668-V
FTD-HT-67-242

Sci-Materials
July 68

360,716

Electronic Analog Computers and Their Appli-
cation, by Chu P'ei-chi, 8 pp.

GOVERNMENT USE ONLY

CHINESE, per, Tien-tsu Mo-ni Chi-suan Chuang-
chih Chi-ch'i Ying-yung, Sept 1963 and Dec
1965.

JPRS GUO 2064

FE-China
Sci-Electronics
Jul 66

306,814

CSO: 01575/71
1 Mar 71

Application of Radio Astronomy, by Yang Chien, Ast
(Tien-wen Ai-hao-che), No 9, 1963, pp 1-3.

Time Signalling and China's Time Signal Network,
by Wu Shou-hsien.
CHINESE, per, T'ien-Wen Ai-Hao-Che (Tianwen Aihaozhe),
No 11, 1964, pp 1-3 (243-245), 9 (251).
*FTD HT Special 31-70

May 70

Chinese (Mainland) Science and Technology Journals
Translated Table of Contents, 17 pp.

CHINESE, per, T'ien-wen Hsueh-pao, Vol VII, No 1,
Jun 1959. ~~907889~~ 9067853

~~AECRL~~ Res Lib

Sci - Astron
9 Oct 62

CSO: 01575/71

1 Mar 71

Measurement of Venes Rotation with CW Radar,
Astronomy Enthusiasts

CHINESE, Tien-Wen Aihhao-che, No 10, 1965 p 15.

Existence of Ice Crystals at Top Layer of Venes'
Clouds, No 10, 1965, p 15

CHINESE

CSO: 01575/71 W
1 Mar 71 SF

see attached

The magnetic Field and Dark Spot on Venus, Ast:
(Tien-wen Ai-hao-che), No 11, 1965, p 19.

The Hot Spots on the Moon, by Wen T'ien, Astron^t
(Tien-wen Ai-hao-che), No 11, 1965, pp 19-20.

Solar Radio Observations Relative to a Solar Eclipse
on a 4.5 CM Wavelength, by Lu Yeng.

CHINESE, per, Tien Wen Hsueh Ao [Acta Astronomica Sinica],
Sinica], Vol VII, No 1, 1959, pp 1-3.

*ATIC MCL-1364/1

Sci - Astron

Aug 61

The Behavior of Non-Relativistic Electrons in a
Magnetic Field and Its Application in Solar
Physics, by Piao Chen, 11 pp.

CHINESE, per, T'ien-wen Hsueh-pao, Vol VII, No 2,
1959, pp 169-174. 5685176

Emmanuel Coll Res Lang Ctr

E-T-Ch-63-1-3

AID-60-17 (211)

OTS/SLA 77-63-23417 (14 pp)

60-23746

Sci - Phys

AUG 63

343,450
N.W. Ref: 5828.4 1963 (10,479) (2000)

62-33218

ACTA ASTRONOMICA SINICA, 1959, VOL. 7,
NOS. 1-2: TABLE OF CONTENTS AND SELECTED
ABSTRACTS, tr. by N. H. Ng. Chinese (Mainland)
Science and Technology Journals: Translated Table of
Contents, Astronomy 1, on Contract AF 19(604)8505.
July 62 [19]p. Emmanuel Coll. Research Language
Center rept. no. Astro. 1.
Order from OTS or SLA \$1.60

62-33218

Trans. of table of contents and selected abstracts of
T'ien Wen Hsueh Pao (Chinese People's Republic) 1959,
v. 7, nos. 1-2.

DESCRIPTORS: *Astronomy, Indexes, *Abstracts,
*China, Solar eclipses, Photographic analysis,
Variable stars, Rotation, Astronomical observatories,
Jupiter, Electrons, Magnetic fields, Solar flares,
Spectrographic analysis, Satellites (Artificial),
Photometers, Planets.

- I. Title: Chinese ...
- II. ETR Astro-1
- III. Emmanuel Coll. Research
Language Center,
Boston, Mass.
- IV. Contract AF 19(604)8505

(Astronomy, TT, v. 10, no. 5)
Office of Technical Services

Test Results Obtained With a 60-cm Parabolic Mirror,
9 pp.
CHINESE, per, T'ien-Wen Hsueh-Pao, Vol X, No 1,
June 1962x, 9693224
FTD-TT-64-170

Sci - Phys
Jul 64

263,720

Possibility of Using Ceramics for Mirrors, 7 pp.
CHINESE, per, xT'ien-Wen Hsueh-Pao, Vol X, No 1,
1962, 9693224
FTD-TT-64-170

Sci - Phys
Jul 64

263,7221

S-722/63

1962 Annual Meeting of Astronomy Society of China,
1962 Astronomical Activities in Shanghai, by
Huang- Chien-shu, Wu Shou-hsien, 9 pp. FOR OFFICIAL
USE ONLY

CHINESE, per, T'ien-wen Hsueh-pao, No 2, 1962, 3 pp.

CIA/FDD X-5204

FE - China
~~Earth~~ Earth Sci & Astron
Aug 63

342,890